		Smart Skies	
		2008 Mathemat	
N.		Core Curriculum Conter	nt Standards
New Jersey Mathen	natics		
Grade 5	State	Standards	
Activity/Lesson	State	Standards	Understand and apply concepts involving lines
			and angles. Notation for line, ray, angle, line
Fly by Math	NJ	MA.5.4.2.5 A.1.a	
i iy by iviatii	INU	IVIA.5.4.2.5 A. 1.a	Properties of parallel, perpendicular, and
Fly by Math	NJ	MA 5 4 2 5 A 1 h	intersecting lines
T Ty by Watti	140	1717 (. O. 7. 2. O 7 (. 1. D	
			Graph points satisfying a function from T-charts,
Fly by Math	NJ	MA.5.4.3.5 B.2	from verbal rules, and from simple equations.
			Use computer spreadsheets, software, and
			graphing utilities to organize and display
Fly by Math	NJ	MA.5.4.5 F.2	quantitative information.
			Understand and apply concepts involving lines
			and angles. Notation for line, ray, angle, line
Line Up with Math	NJ	MA.5.4.2.5 A.1.a	
			Properties of parallel, perpendicular, and
Line Up with Math	NJ	MA.5.4.2.5 A.1.b	intersecting lines
			Graph points satisfying a function from T-charts,
Line Up with Math	NJ	MA.5.4.3.5 B.2	from verbal rules, and from simple equations.
			Draw freehand sketches of graphs that model
			real phenomena and use such graphs to predict
		MA.5.4.3.5	and interpret events.
Line Up with Math	NJ	C.2.a	Changes over time
		Smart Skies	
		2008 Mathemat	
	(Core Curriculum Conter	
New Jersey Mathen			
Grade 6			
Activity/Lesson	State	Standards	
- 101111 .j . = 000011			Understand and apply concepts involving lines
			and angles. Notation for line, ray, angle, line
Fly by Math	NJ	MA.6.4.2.6 A.1.a	
			Properties of parallel, perpendicular, and
Fly by Math	NJ	MA.6.4.2.6 A.1.b	intersecting lines
			Use computer spreadsheets, software, and
			graphing utilities to organize and display
Fly by Math	NJ	MA.6.4.5 F.2	quantitative information.
			Understand and apply concepts involving lines
			and angles. Notation for line, ray, angle, line
Line Up with Math	NJ	MA.6.4.2.6 A.1.a	
			Properties of parallel, perpendicular, and
Line Up with Math	NJ	MA.6.4.2.6 A.1.b	intersecting lines
Line The 220 NA C		NAA C 4 C C 5 =	Use measurements and estimates to describe
Line Up with Math	NJ	MA.6.4.2.6 D.5	and compare phenomena.

		MA.6.4.3.6	Draw freehand sketches of graphs that model real phenomena and use such graphs to predict and interpret events.
Line Up with Math	NJ	C.2.a	Changes over time
		MA.6.4.3.6	Rates of change (e.g., when is plant growing slowly/rapidly, when is temperature dropping
Line Up with Math	NJ	C.2.c	most rapidly/slowly)
		Om aut Olda	
		Smart Skies 2008 Mathemat	
	C	Core Curriculum Conten	
New Jersey Mathem			
Grade 7			
Activity/Lesson	State	Standards	
Fly by Math	NJ	MA.7.4.2.7 C.1	Use coordinates in four quadrants to represent geometric concepts.
Fly by Math	NJ	MA.7.4.4.7 A.1.a	Type of display most appropriate for given data
			Use computer spreadsheets, software, and
			graphing utilities to organize and display
Fly by Math	NJ	MA.7.4.5 F.2	quantitative information.
Lina I la with Math	NI I	MA 7 4 0 7 C 4	Use coordinates in four quadrants to represent
Line Up with Math	NJ	MA.7.4.2.7 C.1	geometric concepts. Analyze functional relationships to explain how a
			change in one quantity can result in a change in
			another, using pictures, graphs, charts, and
Line Up with Math	NJ	MA.7.4.3.7 C.1	equations.
	1.10		
		Smart Skies	
		2008 Mathemat	ics
		ore Curriculum Conten	t Standards
New Jersey Mathem	natics		
Grade 8			
Activity/Lesson	State	Standards	
Fly by Math	NJ	MA.8.4.2.8 C.1	Use coordinates in four quadrants to represent geometric concepts.
			Solve problems that involve compound
			measurement units, such as speed (miles per
			hour), air pressure (pounds per square inch),
F1 1 84 ()			and population density (persons per square
Fly by Math	NJ	MA.8.4.2.8 D.6	mile).
Fly by Math	NJ	MA.8.4.4.8 A.1.a	Type of display most appropriate for given data
, .,			Use surveys and sampling techniques to
			generate data and draw conclusions about large
Fly by Math	NJ	MA.8.4.4.8 A.4	groups.
			Use technology to gather, analyze, and
Fly by Math	NJ	MA.8.4.5 F.1	communicate mathematical information.
			Use computer spreadsheets, software, and
	1		graphing utilities to organize and display
Ely by Moth	NI I		
Fly by Math	NJ	MA.8.4.5 F.2	quantitative information. Use coordinates in four quadrants to represent

			Solve problems that involve compound measurement units, such as speed (miles per hour), air pressure (pounds per square inch), and population density (persons per square
Line Up with Math	NJ	MA.8.4.2.8 D.6	mile).
			Recognize and describe the difference between
			linear and exponential growth, using tables,
Line Up with Math	NJ	MA.8.4.3.8 B.2	graphs, and equations.
			Analyze functional relationships to explain how a
			change in one quantity can result in a change in
			another, using pictures, graphs, charts, and
Line Up with Math	NJ	MA.8.4.3.8 C.1	equations.